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Water Supply Outlook For Oregon

SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

OREGON DEPARTMENT OF WATER RESOURCES

AS OF
JUNE 1, 1980

USDA SCS PORTLAND OR 1979

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: THE SNOTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W, Calgary, Alberta T3C 1A6.

U. S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK FOR OREGON

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued

JUNE 1, 1980

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USDA SCS PORTLAND, OR 1979 M7-L-22026B

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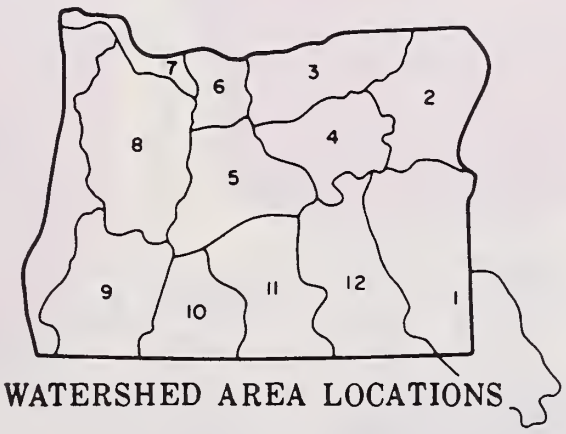
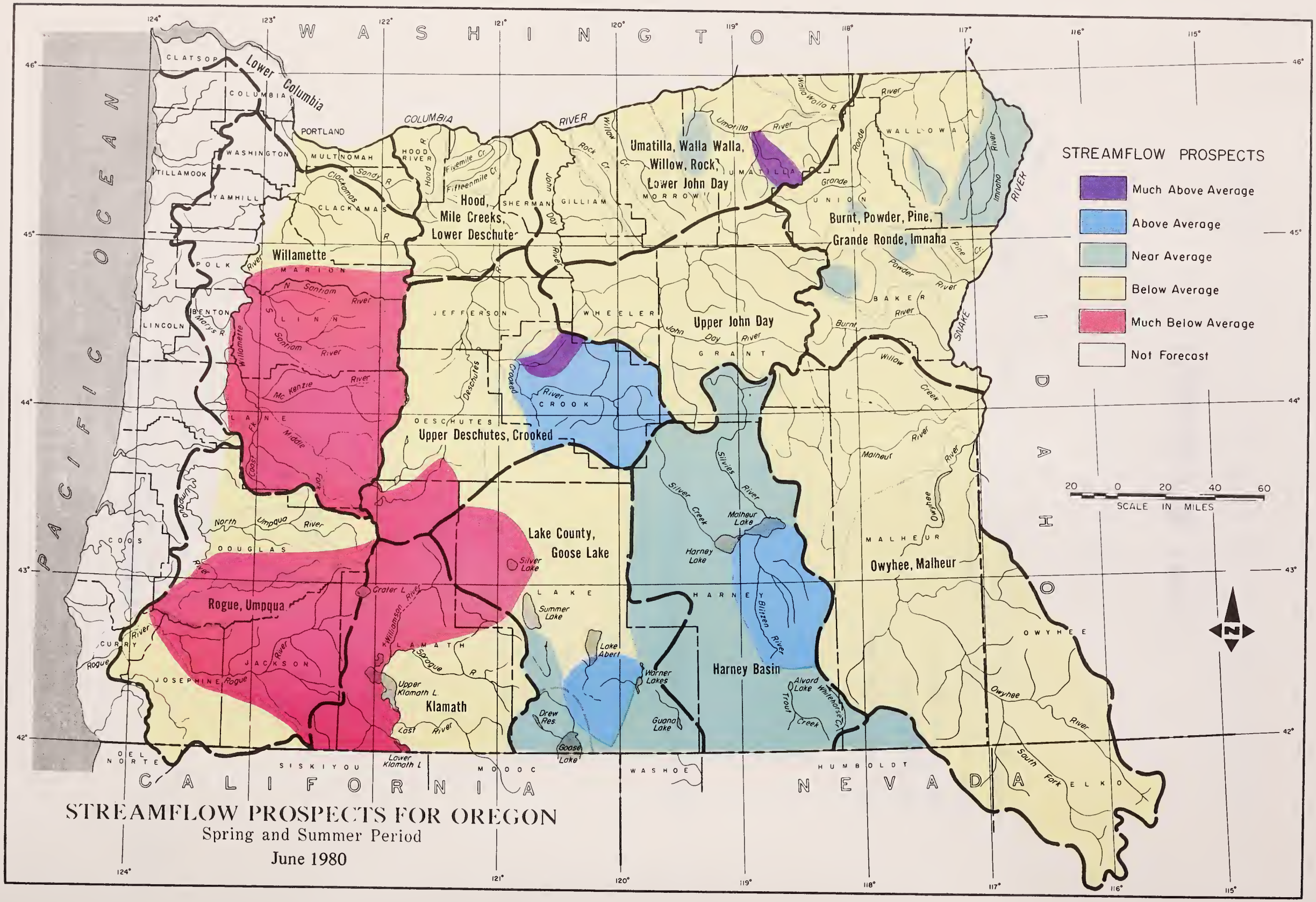


WATERSHED AREA LOCATIONS

USDA SCS PORTLAND OR 1979 M7-L-22026E

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE



STREAMFLOW PROSPECTS FOR OREGON

Spring and Summer Period

June 1980

USDA-SCS PORTLAND, OREG. 1979 NW OL 2202

WATER SUPPLY OUTLOOK FOR OREGON

JUNE 1, 1980

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*****************************************************************
*The water supply outlook remains the same as last month.  Supplies will*
*be below to much below normal for users without reservoir storage.     *
*Stored water is in ample supply.  The snowpack is gone except in the   *
*high Wallowas, Steens and above 5500 feet in the Cascades.             *
*****************************************************************
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SNOW COVER

The snow is completely gone from all snow courses that were measured this month except at Mt. Hood Test Site, Hogg Pass, Park Headquarters, New Dutchman Flat, Annie Springs and Cold Springs Camp. Warm temperatures during the first two weeks of May melted what little snowpack was left.

PRECIPITATION

The last two weeks of May was cool and wet, especially east of the Cascades. Rainfall was near normal on the Deschutes basin and varied from 127% of average in Lake County up to 220% in Malheur County. West of the Cascades precipitation was 60 to 70% of average.

RESERVOIR STORAGE

Most major irrigation reservoirs are full or nearly full. Exceptions are Crane Prairie, Crescent Lake, Wasco, Fourmile Lake, Clear Lake and Gerber which are not expected to fill. Water supplies from these reservoirs will be sufficient though. Twenty-four major reservoirs were storing 2,546,100 acre feet on June 1. This is 100% of normal.

STREAMFLOW

Streamflow was average to slightly below average in eastern Oregon during May. West of the Cascades and including the area of Klamath County, streamflow was 60-70% of average.

Forecasts of summer streamflow for representative streams are as follows:

STREAM	PERIOD	FORECAST % of 1963-77 AVG.
Owyhee net Inflow	May-July	86
Malheur nr. Drewsey	May-July	89
Deschutes @ Benham Falls	May-July	82
Grande Ronde @ La Grande	May-July	78
Willamette, Mid.Fk. nr. Oakridge	May-July	65
Upper Klamath Lake net Inflow	May-Sept.	68
Rogue @ Raygold	May-July	62
Silvies nr. Burns	May-July	100

- CONTINUED ON NEXT PAGE -

The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service as an effort to provide the best possible service to water users.

This report contains data furnished by the Oregon Department of Water Resources, U.S. Geological Survey, NOAA National Weather Service and other cooperators.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average c
OWYHEE, MALHEUR WATERSHEDS					
Malheur near Drewsey	32	89	May-July		36
	33	89	May-Sept.		37
Malheur, North Fork at Beulah	35	90	May-July		39
	39	89	May-Sept.		44
Owyhee Reservoir net Inflow	170	86	May-July	190	197
	180	80	May-Sept.	222	224
Owyhee at Rome	175	87	May-July		202 b
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS					
Anthony Creek blw. North Fork nr. North Powder	11.4	83	May-July		13.7
Bear near Wallowa	48	81	May-Sept.		59
Big Creek blw. Burn Creek nr. Medical Spring	6.1	94	May-July		6.5
Burnt near Hereford	12.0	72	May-July		16.7
	13.0	71	May-Sept.		18.2
Catherine near Union	45	83	May-Sept.		54
Deer Creek abv. Phillips Res. nr. Sumpter	10.8	95	May-July		11.4 b
Eagle Creek abv. Skull Creek	122	82	May-July		149
	135	82	May-Sept.		165
Grande Ronde at La Grande	75	78	May-July	136	96
	80	80	May-Sept.	139	100
Hurricane near Joseph	42	95	May-Sept.		44
Imnaha at Imnaha	230	90	May-Sept.		256
Lostine near Lostine	112	96	May-Sept.		117
Pine Creek nr. Oxbow	127	81	May-July		157 b
Powder near Sumpter	39	91	May-July		43
	40	91	May-Sept.		44
Wallowa, East Fork near Joseph	7.2	85	May-July		8.5
	9.5	88	May-Sept.		10.8
Wallowa at Joseph	44	81	June-July		69
Wolf Creek Res. net Inflow	1.5	115	May-June		8.4
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS					
Butter Creek nr. Pine City	3.3	94	May-July		3.5
Couse Creek nr. Milton Freewater	1.4	74	May-July		1.9 b
McKay near Pilot Rock	10.0	137	May-Sept.		7.3
Pine Creek near Weston	0.7	80	May-July		0.9 b
Rhea Creek nr. Heppner	1.5	80	May-July		1.9
Rock Creek abv. Cayuse Canyon nr. Condon	1.9	75	May-July		2.5 b
Umatilla near Gibbon	32	75	May-July		43
	37	75	May-Sept.		49
Umatilla at Pendleton	56	75	May-July		74
Walla Walla, South Fork near Milton	46	85	May-Sept.		54
Willow Creek at Heppner	2.2	81	May-July		2.7
UPPER JOHN DAY WATERSHEDS					
Camas Creek near Ukiah	14.0	88	May-July		16
John Day, Middle Fork at Ritter	58	80	May-July		72
	61	80	May-Sept.		76
John Day, North Fork at Monument	303	86	May-July		352
	316	86	May-Sept.		367
Mountain Creek nr. Mitchell	1.7	90	May-July		1.9 b
Strawberry near Prairie City	5.9	87	May-July		6.8
	6.6	89	May-Sept.		7.4

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR FORECAST Thousand Acre Feet	THIS YEAR FORECAST Percent of Average	FORECAST PERIOD	PAST RECORD THOUSAND ACRE FEET Last Year	PAST RECORD THOUSAND ACRE FEET Average c
UPPER DESCHUTES, CROOKED WATERSHEDS					
Beaver Creek near Paulina	4.4	90	May-July		4.9
	4.5	90	May-Sept.		5.0
Crane Prairie Reservoir total Inflow	45	70	May-July		64
	74	70	May-Sept.		106
Crescent at Crescent Lake	9.6	62	May-July		15.5
	11.5	58	May-Sept.		19.8
Crooked River nr. Prineville	43	123	May-July		35
Crooked R., No.Fk. blw. Lookout Cr. nr. Paulina	3.4	79	May-July		4.3 b
Deschutes at Benham Falls	330	82	May-July		403
	531	82	May-Sept.		648
Deschutes below Snow Creek	46	80	May-Sept.		57
Deschutes, Little near La Pine	33	59	May-July		56
	42	63	May-Sept.		67
Ochoco Reservoir net Inflow	12.0	140	May-Sept.		8.6
Squaw near Sisters	36	80	May-Sept.		45
Tumalo near Bend	33	80	May-Sept.		41
Deschutes at Bend	153	--	Aug.-Sept.		--
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS					
Hood River near Hood River	147	85	May-July		173
	186	85	May-Sept.		219
Hood, West Fork near Dee	76	88	May-July		87
	96	88	May-Sept.		109
White below Tygh Valley	69	85	May-July		81
	82	85	May-Sept.		96
LOWER COLUMBIA WATERSHEDS					
Columbia at The Dalles	N/R	--	May-July		76,010
	N/R	--	May-Sept.		90,980
Sandy River near Marmot	172	75	May-July		230
	214	75	May-Sept.		285
WILLAMETTE WATERSHEDS					
Clackamas at Estacada	325	70	May-July		464
	405	70	May-Sept.		579
Clackamas above Three Lynx	251	70	May-July		358
	319	70	May-Sept.		455
McKenzie at McKenzie Bridge	228	67	May-July		338
	339	70	May-Sept.		484
McKenzie near Vida	456	62	May-July		735
	640	66	May-Sept.		970
McKenzie, So. Fork near Rainbow	95	66	May-July		144
	120	70	May-Sept.		171
Oak Grove Fork above Power Intake	68	70	May-July		97
	93	70	May-Sept.		133
Row near Dorena	35	68	May-July		52
	39	68	May-Sept.		57
Santiam, North at Mehama	314	62	May-July		506
	399	65	May-Sept.		614
Santiam, South at Waterloo	210	65	May-July		323
	238	65	May-Sept.		366
Willamette, Coast Fork nr. London	9.7	70	May-July		13.8
Willamette, Mid. Fk. blw. N. Fk. nr. Oakridge	282	65	May-July	474	434
	398	65	May-Sept.	552	612
Willamette, No. Fk. of Mid. Fk. near Oakridge	81	65	May-July		125
	95	65	May-Sept.		146
Willamette at Salem	1,737		May-July		2,554
	2,066		May-Sept.		3,038

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR: FORECAST: Thousand Acre Feet	THIS YEAR: FORECAST: Percent of Average	THIS YEAR: FORECAST PERIOD	PAST RECORD: THOUSAND ACRE FEET: Last Year	PAST RECORD: THOUSAND ACRE FEET: Average C
ROGUE, UMPQUA WATERSHEDS					
Applegate near Copper	62	76	May-July		81
	67	76	May-Sept.		88
Clearwater above Trap Creek	48	81	May-Sept.		59
Fourmile Lake net Inflow	2.5	86	May-July		2.9
Hyatt Reservoir net Inflow	1.0	37	May-July		2.7
Illinois River near Kerby	58	70	May-July		83
	63	70	May-Sept.		90
Little Butte, N. Fk. at Fish Lake nr. Lake Cr.	9.0	76	May-Sept.		11.9
Little Butte, S. Fk. near Lake Creek	12.0	65	May-July		18.5
	15.0	71	May-Sept.		21.0
Red Blanket Creek nr. Prospect	18.9	70	May-July		27
Rogue above Prospect	121	64	May-July		190
	164	66	May-Sept.		247
Rogue, South Fork near Prospect	29	60	May-July		48
	39	66	May-Sept.		59
Rogue at Raygold near Central Point	316	62	May-July	456	512
	432	64	May-Sept.	593	675
Rogue at Grants Pass	399	62	May-Sept.		644
Umpqua, No. blw. Lemolo Res. nr. Toketee Falls	106	74	May-Sept.		144
Umpqua, So. near Tiller	70	67	May-July		104
So. Fk. Big Butte Cr. nr. Butte Falls	24	74	May-Sept.		33
Sucker Cr. blw. Little Grayback nr. Holland	20	75	May-July		37
KLAMATH WATERSHEDS					
Clear Lake Reservoir Inflow	14.0	80	May-Sept.		17.5
Gerber Reservoir Inflow	4.3	80	May-Sept.		5.4
Sprague near Chiloquin	127	76	May-Sept.		167
Upper Klamath Lake net Inflow	232	68	May-Sept.	222	342
Williamson below Sprague River	194	68	May-Sept.	191	285
LAKE COUNTY, GOOSE LAKE WATERSHEDS					
Chewaucan near Paisley	56	97	May-July	28	58
	58	94	May-Sept.	30	62
Cottonwood Creek nr. Lakeview	6.2	97	May-July		6.4
Deep above Adel	58	125	May-July		46
	60	125	May-Sept.		48
Drews Reservoir net Inflow	10.3	97	May-July		10.6
Honey Creek near Plush	15.0	121	May-July		12.4
	15.2	121	May-Sept.		12.6
Silver Creek near Silver Lake	4.9	60	May-July		8.1
Twentymile near Adel	11.4	100	May-Sept.		11.4
Bridge Cr. @ Spahr Ranch nr. Silver Lake	1.7	60	May-July		2.9
HARNEY BASIN WATERSHEDS					
Donner und Blitzen near Frenchglen	48	117	May-July		41
	54	117	May-Sept.		46
Silver near Riley	5.5	93	May-July		5.9
Silvies River near Burns	38	100	May-July		38
	40	100	May-Sept.		40
Trout Creek near Denio	7.0	108	May-July		6.5
	7.3	104	May-Sept.		7.0

(a) Estimated. (b) 1963–77 adjusted average. (c) 1963–77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
OWYHEE, MALHEUR WATERSHEDS				
Beulah Reservoir	60.0	56.6	55.6	48.4
Bully Creek	30.0	26.6	27.1	21.2
Owyhee	715.0	717.7	714.4	610.8
Warmsprings	191.0	183.4	156.1	144.4
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS				
Phillips Lake	73.5	74.2	--	63.9
Thief Valley	17.4	17.4	17.4	16.4*b*
Unity	25.2	25.1	24.4	22.4
Wallowa Lake	37.5	38.2	38.4	33.3
Wolf Creek	10.4	11.1	11.1	--
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS				
Cold Springs	50.0	42.6	48.1	45.3
McKay	73.8	67.6	67.8	56.2
UPPER DESCHUTES, CROOKED WATERSHEDS				
Crane Prairie	55.3	25.1	36.4	45.8
Crescent Lake	86.9	32.2	41.7	69.1
Ochoco	47.5	45.4	45.4	36.5
Prineville	153.0	153.8	158.7	143.3
Wickiup	200.0	154.8	154.7	166.3
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS				
Clear Lake (Wasco)	11.9	4.6	3.2	6.2

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
WILLAMETTE WATERSHEDS				
Blue River	85.6*	80.7	80.7	79.6
Cottage Grove	30.0*	27.5	28.9	27.3
Cougar	155.2*	146.6	146.3	141.5*b*
Detroit	299.9*	280.7	280.5	277.1
Dorena	70.5*	64.1	66.0	64.5
Fall Creek	115.0*	108.7	110.3	108.4*b*
Fern Ridge	94.2*	80.7	98.4	86.0
Foster	30.0*	24.8	24.9	22.5*b*
Green Peter	270.0*	244.3	274.6	248.5*b*
Hills Creek	200.0*	194.7	194.5	181.7
Lookout Point	337.2*	282.2	321.1	291.1
Timothy Lake	61.7	53.0	50.4	60.8
Henry Hagg Lake	53.0	52.2	53.6	--
ROGUE, UMPQUA WATERSHEDS				
Emigrant Lake	39.0	37.3	37.8	37.1
Fish Lake	8.0	5.8	6.4	6.8
Fourmile Lake	16.1	10.9	11.9	12.7
Howard Prairie	60.0	60.8	60.3	57.4
Hyatt Prairie	16.1	16.2	16.2	15.0
Lost Creek	315.0	311.9	314.6	--
KLAMATH WATERSHEDS				
Clear Lake	440.2	219.4	165.8	286.5
Gerber	94.0	57.6	41.5	72.5
Upper Klamath Lake	584.0	494.0	472.0	519.2
LAKE COUNTY, GOOSE LAKE WATERSHEDS				
Cottonwood	8.7	8.3	--	6.9
Drews	63.0	59.0	--	56.6
Thompson Valley	19.5	10.9	--	--

* Multiple purpose reservoir--space reserved primarily for flood runoff.

+ 1958=1972 period.

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR Date of Survey	THIS YEAR Snow Depth (In.)	THIS YEAR Water Cont. (In.)	PAST RECORD Water Content (Inches) Last Yr.	PAST RECORD Water Content (Inches) Ave.[c]
Annie Spring	6/1	36	17.3	3.0[a]	54.4[b]
Bald Peter	N/R			0.0	--
Billie Cr. Divide	5/28	0	0.0	0.0	0.8[b]
Billie Cr.Div.Plw.(T)	5/28	--	0.0	0.0	--
Billie Cr. Div.Plw.(S)	5/28	0	0.0	0.0	--
Billie Cr.Div.Plw.(M)	5/28	--	0.0	0.0	--
Cascade Summit	5/28	0	0.0	1.2	9.4
Cascade Summit Plw.(S)	5/28	0	0.0	0.0	--
Cascade Summit Plw.(M)	5/28	--	0.0	--	--
Clear Lake	5/29	0	0.0	0.0	0.5
Clear Lake Plw.(S)	5/29	0	0.0	0.0	--
Clear Lake Expt.	5/29	0	0.0	0.0	1.3[b]
Cold Springs Camp	5/28	11	5.0	2.1	12.3[b]
Cold Springs Camp Plw.(S)	5/28	0	0.0	0.0	--
Cold Springs Camp Plw.(M)	5/28	--	0.0	0.0	--
Diamond-Ctr. Sum. Rev.	5/29	2	1.0	1.6	13.8[b]
Diamond Lake	5/29	0	0.0	0.0	6.4[b]
Diamond Lake Plw.(S)	5/29	0	0.0	0.0	--
Diamond Lake Plw.(M)	5/29	--	0.0	--	--
Fourmile Lake	5/28	0	0.0	0.0	2.6[b]
Fourmile Lake Plw.(T)	5/28	--	0.0	0.0	--
Fourmile Lake Plw.(S)	5/28	0	0.0	0.0	--
Fourmile Lake Plw.(M)	5/28	--	0.0	0.0	--
Hogg Pass	5/30	4	2.0	5.0	24.3[b]
Hogg Pass Plw.(T)	5/30	--	3.1	--	--
Hogg Pass Plw.(S)	5/30	6	2.8	5.0	--
Hogg Pass Plw.(M)	5/30	--	3.0	2.8	--
Hungry Flat	6/2	0	0.0	0.0	--
Jump Off Joe Plw.(T)	5/30	--	0.0	0.0	--
Jump Off Joe Plw.(S)	5/30	0	0.0	0.0	--
Jump Off Joe Plw.(M)	5/30	--	0.0	0.0	--
Marion Forks (Rev.)	5/30	0	0.0	0.0	--
Marion Forks Plw.(S)	5/30	0	0.0	0.0	--
Marion Forks Plw.(M)	5/30	--	0.0	0.0	--
Mt. Hood Test Site(S)	5/30	85	43.5	44.0	46.6[b]
Mt. Hood Test Site(M)	5/30	--	50.6	32.4	--
Mud Ridge Pillow(T)	5/29	--	0.0	0.0	--
Mud Ridge Pillow(S)	5/29	0	0.0	0.0	10.7[b]
Mud Ridge Pillow(M)	5/29	--	0.0	0.0	--
New Dutchman #2	6/2	40	20.4	18.5	40.6[b]
Park Headquarters	6/1	67	34.4	24.0	49.0[b]
Quartz Mountain	5/29	0	0.0	0.0	--
Quartz Mtn. Plw.(S)	5/29	0	0.0	0.0	--
Quartz Mtn. Plw.(M)	5/29	--	0.0	0.0	--
Racing Creek	N/R			0.0	--
Railroad Overpass	5/28	0	0.0	0.0	--
Railroad Overpass Plw.(S)	5/28	0	0.0	0.0	--
Railroad Overpass Plw.(M)	5/28	--	0.0	0.0	--
Salt Creek Falls	5/28	0	0.0	0.0	1.6
Salt Creek Falls Plw.(S)	5/28	0	0.0	0.0	--
Salt Creek Falls Plw.(M)	5/28	--	0.0	--	--
Santiam Junction	5/30	0	0.0	0.0	0.8[b]
Santiam Junc.Plw.(S)	5/30	0	0.0	0.0	--
Santiam Junc.Plw.(M)	5/30	--	0.0	0.0	--
Still Creek	5/29	0	0.0	0.0	7.5[b]
Tangent	6/2	0	0.0	0.0	1.6[b]

N/R No Report
T = Telemetry Reading
S = Snow Tube Reading
M = Manometer Reading

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR Date of Survey	THIS YEAR Snow Depth (In.)	THIS YEAR Water Cont. (In.)	PAST RECORD Water Content (Inches) Last Yr.	PAST RECORD Water Content (Inches) Ave.[c]

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

BASIC DATA SUPPLEMENT 2

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION		PAST RECORD	
		Date of Reading	Precip-itation	Last Year	Average [c]
Cascade Summit (Lane County)	4880	From 4/29 To 5/28	3.60"		
Clear Lake (Wasco County)	3500	From 4/29 To 5/30	0.48"		
Cold Springs (Klamath County)	6100	From 4/29 To 5/28	1.44"		
Diamond Lake (Douglas County)	4600	From 4/28 To 5/29	4.80"		
Fourmile Lake (Klamath County)	6000	From 4/25 To 5/28	2.52"		
Hogg Pass (Jefferson County)	4755	From 5/1 To 5/30	3.96"		
Jump Off Joe (Linn County)	3400	From 5/1 To 5/30	4.20"		
Marion Forks (Linn County)	2730	From 4/30 To 5/30	2.64"		
Mt. Hood Test Site (Clackamas County)	5400	From 5/2 To 5/30	4.38"		
Mud Ridge (Clackamas County)	3800	From 4/29 To 5/29	2.88"		
Quartz Mountain (Lake County)	6300	From 4/29 To 5/29	4.92"		
Railroad Overpass (Lane County)	2750	From 4/29 To 5/28	4.80"		
Salt Creek Falls (Lane County)	4000	From 4/29 To 5/28	5.28"		
Santiam Junction (Lane County)	3750	From 5/1 To 5/30	2.76"		

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

ERRATA: 1980 SNOW MEASUREMENTS PUBLISHED IN ERROR

SNOW COURSE	REPORT	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)
Santiam Junction Pillow (M)			
Previously Published	February	--	4.1
Correct Data	February	--	N/R
Tilly Jane			
Previously Published	February	63	16.7
Correct Data	February	63	20.4
Aneroid Lake #2 Plw.(M)	March		
Previously Published	March	--	23.9
Correct Data	March	--	25.7
Dismal Swamp (Calif.) *			
Previously Published	March	94	35.7
Correct Data	March	94	32.0
Irish-Taylor Pillow(S)			
Previously Published	March	59	18.8
Correct Data	March	59	N/R

ERRATA: 1980 PRECIPITATION MEASUREMENTS PUBLISHED IN ERROR

PRECIP. STATION NAME	REPORT	INCHES
Beaver Reservoir		
Previously Published	January	18.72"
Correct Data	January	6.48"

ERRATA: 1980 RESERVOIR STORAGE MEASUREMENTS PUBLISHED IN ERROR

RESERVOIR	REPORT	USABLE STORAGE THIS YEAR
Clear Lake (Wasco)		
Previously Published	April	1.0
Correct Data	April	2.2

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